Departamento de Matemáticas

Optimisation in real-life applications: sleep and disaster management.

Abstract: In this presentation, Dr. Sukhorukova will talk about two large research projects. The first project is application of optimisation to biomedical signal processing (done together with Dr. Zahra Roshan Zamir, graduated in December 2016) and the second one is application of optimisation to location-allocation analysis, disaster management and data clustering (done together with Dr. Behrooz Bodaghi, graduated in December 2017).

Dr. Nadia Sukhorukova

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Fecha: Viernes, 21 de Diciembre, a las 13:00 horas.
Lugar: Seminario de Matemáticas.

Information on the speaker

Dr. Sukhorukova is holding two PhD degrees: one from the University of Ballarat (currently, Federation University Australia), completed in 2004 and another one is from Saint-Petersburg State University (Russia) completed in 2006. Dr. Nadia Sukhorukova is working in the area of Mathematical Optimisation and its application to data analysis, data mining, signal processing, location-allocation problems and other real-life applications. Dr. Sukhorukova is also working on a number of mathematical problems appearing in the area of Chebyshev (uniform) approximation (ARC Discovery grant DP180100602). According to MathSciNet records, she has published 21 research papers since 2001, which gave rise to 32 citations (17 and 54, respectively, in Scopus).